

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-6. (Canceled)

7. (Currently Amended) The ampoule as set forth in claim 36, further comprising at least one reference recognition element on said ampoule, wherein the reference recognition element enables detection of the predetermined positions of the recognition elements while the ampoule is rotated.

8. (Currently Amended) The ampoule as set forth in claim 36 ~~[[7]]~~, wherein a plurality of reference recognition elements are positioned along a second radius extending circumferentially on the perpendicular surface about the longitudinal axis, the first and second radii having different lengths provided.

9. (Canceled)

10. (Currently Amended) The ampoule as set forth in claim 36, wherein the at least two recognition elements are fabricated to enable detection of their positions using ~~are based on at least one principle of a group consisting of~~ electrical, magnetic, inductive, capacitive or and mechanical principles.

11. (Currently Amended) The ampoule as set forth in claim 10, wherein the at least two recognition elements are ~~at least one of a group consisting of~~ magnets, conductive structures, optical structures or and surface structures.

12. (Canceled)

13. (Previously Presented) The ampoule as set forth in claim 36, wherein the recognition elements may be written on said surface of said ampoule.

14-33. (Canceled)

34. (Currently Amended) The ampoule as set forth in claim 8, wherein said plurality of reference recognition elements are arranged to be circumferentially equidistant from one other along the second radius ~~provided at roughly the same angular distance.~~

35. (Currently Amended) An ampoule for an injection or infusion apparatus, said ampoule comprising a threaded surface parallel to a central longitudinal axis extending between a dispensing end and a distal end of said ampoule, said threaded surface providing a predetermined orientation of said ampoule when said threaded surface is engaged with an administering device, said distal end comprising a surface perpendicular to the axis, wherein said surface comprises a set of at least four available predetermined recognition element positions positioned along a radius extending radially on the perpendicular surface about the longitudinal axis of said ampoule, wherein at least two recognition elements are each positioned in one of the at least four predetermined recognition element positions, wherein each of the predetermined recognition element positions is positioned asymmetrically along the radius such that at an angular distance from another position, the circumferential angular distance between any two positions being is different than the circumferential angular distance between any other two positions, said ~~predetermined recognition element positions being asymmetrical relative to the perpendicular surface, and~~ wherein the number of available predetermined recognition element positions is greater than the number of recognition elements, and wherein the at least two recognition elements are positioned in the predetermined element recognition positions such that detection of the positions of the at least two recognition elements enables recognition of the ampoule.

36. (Currently Amended) An ampoule for an injection or infusion apparatus, said ampoule comprising:

a dispensing end and a distal end relative to the dispensing end, said distal end comprising a surface perpendicular to a central longitudinal axis extending between said dispensing end and said distal end;

~~wherein said surface comprises a set of~~ at least four available predetermined recognition element positions positioned along a radius extending radially on the perpendicular surface about the longitudinal axis;

~~wherein~~ at least two recognition elements are each positioned in one of the at least four predetermined recognition element positions;

wherein each of the predetermined recognition element positions is positioned asymetrically along the radius such that ~~at an angular distance from another position;~~ the circumferential angular distance between any two positions ~~being is~~ different than the circumferential angular distance between any other two positions, said ~~predetermined recognition element positions being asymmetrical relative to the perpendicular surface;~~ and

wherein the number of available predetermined recognition element positions is greater than the number of recognition elements, and

wherein the recognition elements are positioned in the predetermined element recognition positions such that detection of the positions of the recognition elements enables recognition of the ampoule.

37. (Currently Amended) An ampoule for an injection or infusion apparatus, said ampoule comprising:

a dispensing end and a distal end relative to the dispensing end, said distal end comprising a surface perpendicular to a central longitudinal axis extending between said dispensing end and said distal end;

~~wherein said surface comprises a set of~~ at least four available predetermined recognition element positions and at least two reference recognition elements positioned along a first radius extending radially on the perpendicular surface about the longitudinal axis;

~~wherein said available predetermined recognition element positions are arranged on a first circle concentric with respect to the axis and said reference recognition elements are arranged on a second circle concentric with respect to the axis, said first circle having a circumference that is different than the circumference of the second circle;~~

~~wherein~~ at least two recognition elements are each positioned in one of the at least four predetermined recognition element positions;

wherein each of the predetermined recognition element positions is positioned
asymmetrically along the first radius such that at an angular distance from another position, the
circumferential angular distance between any two positions being is different than the
circumferential angular distance between any other two positions, said predetermined
recognition element positions being asymmetrical relative to the perpendicular surface; and

wherein the number of available predetermined recognition element positions is
greater than the number of recognition elements, and

wherein the recognition elements are positioned in the predetermined element
recognition positions such that detection of the positions of the recognition elements enables
recognition of the ampoule; and

a reference recognition element positioned along a second radius extending radially on
the perpendicular surface about the longitudinal axis, the first and second radii having different
lengths, wherein the reference recognition element enables detection of the positions of the
recognition elements while the ampoule is rotated.

38. (Currently Amended) The ampoule as set forth in claim 37, further comprising a second
reference recognition element positioned along the second radius, wherein each of the first and
second reference recognition elements is provided at a circumferential an angular distance from
another the other reference recognition element, the circumferential angular distance between the
any two reference recognition elements being substantially the same circumferential angular
distance.

39. (New) An ampoule for an injection or infusion apparatus, said ampoule comprising:

a dispensing end and a distal end relative to the dispensing end, the distal end comprising
a surface perpendicular to a longitudinal axis of the ampoule;

at least two recognition elements each positioned in one of a plurality of predetermined
positions on a radius extending radially about the longitudinal axis on the perpendicular surface
of the ampoule, wherein the recognition elements are positioned asymmetrically along the radius
such that detection of the positions of the at least two recognition elements enables recognition
of the ampoule.